# Training Programme on LabVIEW CORE-I and CORE-II

## REGISTRATION FORM

Name…………………………………………………………

Designation…………………………………………………

Department…………………………………………………

Organisation…………………………………………………

Address……………………………………………………

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Tel. No. ………………………………………………………

Mobile No…………………………………………………..

Email…………………………………………………………

Reg. Category: …………………………………………

D.D. No. ……………………Date………………

Amount……………………………………………………

Details of Bank……………………………………………

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**REGISTRATION FEE**

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEC Students</td>
<td>Rs. 2000/-</td>
</tr>
<tr>
<td>Non VEC Students</td>
<td>Rs. 3000/-</td>
</tr>
<tr>
<td>Academics</td>
<td>Rs. 4000/-</td>
</tr>
<tr>
<td>Professionals from Industry</td>
<td>Rs. 5000/-</td>
</tr>
</tbody>
</table>

Filled up registration form and demand draft drawn in favor of **THE PRINCIPAL, Velammal Engineering College** payable at Chennai to be sent to the Centre Co-ordinator on or before 15.07.2013. As number of seats is restricted to thirty-six, selection of candidates will be on first come first served basis.

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**Dr.N.Bharathi**  
Vice Principal

**Prof. K. Rajeswari**  
Professor and Head  
Department of Electronics & Instrumentation Engineering

**Prof. V.R. Ravi**  
Centre Co-ordinator  
VEC-NI Virtual Instrumentation Centre

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**Address for Correspondence**  
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Dept. of EIE  
Velammal Engineering college,  
Surapet, Chennai – 600 066.  
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Email: vec-ni-vi-centre@gmail.com

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**Training Programme on LabVIEW CORE-I**  
(20th July, 27th July and 03rd August)

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**Organized by**  
VEC-NI VIRTUAL INSTRUMENTATION CENTRE  
(Centre of Excellence in Virtual Instrumentation)  
Department of Electronics and Instrumentation Engineering  
VELAMMAL ENGINEERING COLLEGE  
Surapet, Chennai- 600 066  
Tel: 044-39666005 / 6 / 7 / 8 / 9  
Website: www.velammal.org
ABOUT THE INSTITUTION

Velammal Engineering College (VEC) is chaired by Shri. M. V. Muthuramalingam, a professional engineer and a proven personality with hands on experience in imparting perfect education through 26 educational institutions belonging to Velammal Educational Trust which was established in 1986. VEC is approved by All India Council for Technical Education (AICTE) and is affiliated to Anna University, Chennai. It is an ISO 9001:2008 certified institution and is also accredited by NBA & NAAC. VEC is one among the top three self-financing engineering institutions among 526 colleges affiliated to Anna University, Chennai. VEC is recognized as a Nodal Centre under TIFAC-CORE, DST, New Delhi. MoUs are signed with reputed organizations in India and abroad. Presently, VEC offers 9 UG programs and 10 PG programs in various branches of Engineering and technology. The college also conducts about 16 value added courses for the students to upgrade their skills.

ABOUT THE DEPARTMENT

The Department of Electronics & Instrumentation Engineering was established in the year 2002. The department provides undergraduate program in Electronics & Instrumentation Engineering and postgraduate program in Control & Instrumentation Engineering. The department caters to the ever challenging needs of technical excellence in all areas of Instrumentation and Process Control Engineering. The department has Centre of Excellence in Virtual Instrumentation. VEC-NI Virtual Instrumentation Centre is a collaborative centre started in the year 2010 by Velammal Engineering College and National Instruments, USA which is the second centre in India in the field of Virtual Instrumentation.

FACILITIES AVAILABLE

- PC with LAN facility (36 Nos)
- LabVIEW 2009 (50 user license version)
- USB DAQ (5 Nos)
- Compact DAQ (9 Nos)
- NI Compact RIO (5 Nos)
- Embedded Vision System (1 No)
- NI ELVIS (1 No)
- Temperature Control System (1 No)
- Speed Control of DC Motor (1 No)
- Inverted Pendulum (1 No)
- Robotic Trainer System (1 No)
- Two Conical Tank Interacting Level System
- Magnetic Levitation System (1 No)
- Analog Input Modules (10 Nos)
- Analog Output Modules (10 Nos)
- Digital Input Modules (10 Nos)
- Digital Output Modules (10 Nos)

ABOUT THE TRAINING PROGRAMME

This training programme is useful to learn about the LabVIEW programming concepts, techniques, features, VIs, and functions you can use to create test and measurement, data acquisition, instrument control, data logging, measurement analysis and report generation applications.

LabVIEW Core 1

The LabVIEW Core 1 course introduces the LabVIEW environment, its features, dataflow programming, and common LabVIEW architectures. This course is the fastest way to become productive with LabVIEW. It prepares you to develop test and measurement, data acquisition, instrument control, data logging, and measurement analysis applications using LabVIEW. At the end of LabVIEW Core 1, you can create applications using a state machine design pattern to acquire, process, display, and store real-world data. The hands-on format of the course enables you to quickly apply skills learned in the course to your application.

Duration

Classroom: Two (2) Days

LabVIEW Core 2

The LabVIEW Core 2 course teaches you to design complete, stand-alone applications with LabVIEW. This course is an extension of the LabVIEW Core 1 course and introduces you to common design techniques for successfully implementing and distributing LabVIEW applications for research, engineering, and testing environments. Topics covered include use of event-driven programming, programmatic control of your user interface, techniques to optimize reuse of existing code, use of binary file I/O functions, and error handling practices. This course directly links LabVIEW functionality to your application needs and provides a jump-start for application development.

Duration

Classroom: Three (3) Days

RESOURCE PERSONS

Sessions will be handled by experts from National Instruments Bangalore and Velammal Engineering College.

SUGGESTED ADDITIONAL CERTIFICATE

Certified LabVIEW Associate Developer Certification (CLAD) issued by National Instruments.

The benefits include use of certification logo, listing on ni.com and career advancement.